



Philips  
plasma monitor

42"  
WXGA

BDH4223V



## High resolution versatile display solution

### 42" Wide WXGA Plasma Monitor

This large WXGA monitor is a real eye catcher for indoor public areas thanks to its size and outstanding video performance. Razor sharp display of graphics and pc-presentations make this monitor also a welcome guest in boardrooms.

#### Operational flexibility

- Monitor is network controllable for remote management
- Multiple PC input formats up to WXGA
- Wide choice of analog and digital connectivity
- Quiet and reliable fanless operation
- VGA loop through to daisy chain other monitors
- Portrait mode operability

#### Optimized for public viewing

- 3D combfilter separates colors for a razor-sharp image
- HDTV Signal Compatible to display HDTV content
- 3:2 Pulldown eliminates artefacts when watching movies
- Motion Adaptive De-interlacing for razor sharp images
- PiP allows watching a second source simultaneously

#### Lower total cost of ownership

- Long expected panel lifetime of over 60.000 hours

**PHILIPS**  
sense and simplicity

## Specifications

### Picture/Display

- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- Panel resolution: 1024 x 1024i
- Pixel pitch: 0.9 x 0.51 mm
- Brightness: 1100 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- Display colors: 16.7 Million colors
- Viewing angle: 160° (H) / 160° (V)
- Effective viewing area: 921.6 x 522.24mm
- Horizontal Scanning Frequency: 15 - 91 kHz
- Vertical Scanning Frequency: 50 - 85 Hz
- Picture enhancement: 3D Combfilter, 3/2 - 2/2 motion pull down, Motion adaptive de-interlacing, Picture in Picture

### Supported Display Resolution

#### Computer formats

Resolution	Refresh rate
1280 x 1024	60, 75, 85Hz
1280 x 960	60, 85Hz
800 x 600	56, 60, 72, 75, 85Hz
720 x 400	70Hz
1024 x 768	60, 70, 75, 85Hz
640 x 480	60, 72, 75, 85Hz
640 x 480	60Hz

- WVGA 852 x 480: 60 Hz
- VGA 640 x 350: 70 Hz
- MAC 1152 x 870: 75 Hz
- MAC 832 x 624: 75 Hz
- MAC 640 x 480: 67 Hz
- Video formats

Resolution	Refresh rate
480p	60Hz
576p	50Hz
1080i	50, 60Hz
576i	50Hz
480i	60Hz
720p	50, 60Hz

### Connectivity

- PC: DVI-D x1, RS232 D-Sub9, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- AV input: Component (YPbPr) 2x, S-video x1, Composite (CVBS) x1, Audio (L/R) for YPbPr 2x

- Audio cinch out: Analog audio output L/R
- Audio input for data: Audio Left/Right (RCA) 2x
- Audio input for PC: Audio Left/Right (RCA) 2x
- Audio output: Subwoofer Out, Stereo Audio (3.5 mm jack) 1x

### Convenience

- Picture in Picture: Double window, Picture in Picture All Inputs
- Network controllability: RS232
- Convenience Enhancements: On-screen Display
- OSD Languages: English, French, Spanish
- Monitor Controls: Power On/Off, Left/Right, Up/Down, Volume control, Source Select, Menu (OK)
- Screen saving functions: Full white, pixel shift
- Built-in Audio: Built-in amplifier and 5 Watts RMSx2 stereo speakers
- SRS sound processing
- Regulatory Approvals: FCC-B, UL, CSA, CE Mark

### Power

- Consumption: 390 Watts (color bar)
- Power supply: 100-240VAC, 50/60Hz
- Sleep Mode: 10 Watts Max.

### Dimensions

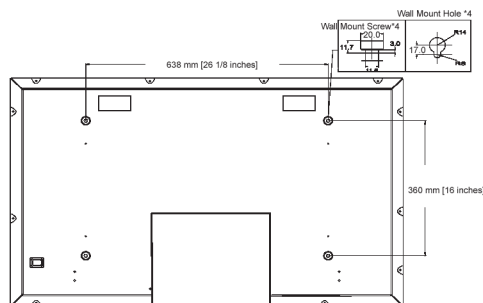
- Dimensions (with base) (W x H x D): 1081 x 722 x 220 mm
- Dimensions (without base) (W x H x D): 1081 x 677 x 95 mm
- Weight: 31.2 kg
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -5°C to +45°C
- Relative Humidity: 20% - 80%
- Lifetime to 50% brightness: 80000 hr

### Accessories

- Included Accessories: AC Power Cord, Battery, Remote Control, Table top stand, VGA cable
- User Guide on CD-ROM
- User Manual: English, Spanish
- Optional accessories: Ceiling mount, Flexible wall mount, Fixed wall mount

### Miscellaneous

- Bezel: Metallic Antracite



## Product highlights

### Network controllability: RS232

Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

### Multiple PC input formats

The product supports PC compatibility for VGA, SVGA, XGA and WXGA. A universal public display solution requires versatile PC input support.

### Wide choice of connectivity

Versatile public display solutions require versatile analogue and digital connectivity.

### VGA loop through

In case more than one screen need to share the same input signal, VGA loop through offers a cost effective solution in which the VGA input signal is amplified and made available on a VGA output connector which can be connected to the next monitor

### Portrait mounting possible

This display is also able to be safely and reliably mounted in portrait position.

### 3D Combfilter

The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

### HDTV Signal Compatible

This display is capable of accepting 1080i and 720p HDTV signals via an external HDTV decoder with RGB or Components Video outputs

### 3:2 Pulldown

3:2 Pulldown totally eliminates the unwanted artefacts that distort your picture viewing when watching movies. With these artefacts gone, you will enjoy the movie the way it is meant to be.

### Motion adaptive de-interlacing

This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimize the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

### Picture In Picture (PIP)

Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics

### Long expected panel lifetime

In public display applications 24/7 operation is often required. Even after 60000 hours of operation the brightness level of the display will be at least 50% of the initial value.

